



CONSTRUCTION DETAILS

- A. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH SHA STD. MD 801.01 18 IN. DIAMETER FOUNDATION. ACCESSIBLE PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS ARDWICK-ARDMORE RD" (NOTE: 1-3 INCH PVC 90 DEGREE BEND).
- B. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS MLK JR. HWY OR ARDWICK-ARDMORE RD" (NOTE: 1-3 INCH PVC 90 DEGREE BEND).
- C. REMOVE EXISTING PUSHBUTTON, SIGN AND PEDESTRIAN SIGNAL HEAD FROM EXISTING STRAIN POLE AND SEAL THE REMAINING HOLE AS DIRECTED BY THE ENGINEER.
- D. INSTALL LED SIGNAL HEAD MODULES.
- E. INSTALL ELECTRICAL HANDHOLE.
- F. INSTALL 3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
- G. REMOVE EXISTING PAVEMENT MARKING AND INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
- H. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
- I. REMOVE EXISTING PAVEMENT MARKING AND INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
- J. CONSTRUCT SHA STD. MD 655.12 SIDEWALK RAMP (5 FT. X 5 FT. LANDING 8 FT. SIDE FLARES).
- K. CONSTRUCT SHA STD. 655.12 SIDEWALK RAMP (5 FT. X 5 FT. LANDING/8 FT. SIDE FLARE). CONSTRUCT ONLY PORTION OF SIDEWALK RAMP SHOWN. CONSTRUCT STANDARD TYPE A CURB (SHA. STD. 620.02) IN L&U OF OTHER FLARE.
- L. CONSTRUCT CUT THROUGH ISLAND OPENING. (SEE NOTE 10)
- M. INSTALL 24 IN. DETECTABLE WARNING SURFACE (SURFACE APPLIED) (SEE NOTE 22).
- N. USE EXISTING HANDHOLE.
- O. USE EXISTING CONDUIT.
- P. USE EXISTING SPAN WIRE.
- Q. REMOVE EXISTING STRAIN POLE.
- R. REMOVE EXISTING SIDEWALK AND RAMP AND BACKFILL WITH SUITABLE FILL MATERIAL. CONSTRUCT STANDARD TYPE A CURB AND GUTTER SHA STD. 622.01.
- T. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL 1-4 INCH PVC 90 DEGREE BEND IN EXISTING FOUNDATION.
- U. INSTALL 4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
- V. INSTALL 1-3 INCH PVC 90 DEGREE BEND IN EXISTING STRAIN POLE FOUNDATION.
- W. INSTALL GROUND MOUNTED SIGN.
- X. INSTALL POLE MOUNTED SIGN.
- Y. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD ON THE EXISTING STRAIN POLE.
- Z. REMOVE EXISTING OVERHEAD SIGN.
- gg. REMOVE EXISTING OVERHEAD STREET NAME SIGN AND INSTALL NEW STREET NAME SIGN.

GENERAL NOTES

- 1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
- 2. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- 3. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- 4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 5. THE CONTRACTOR SHALL INTEGRATE PROPOSED/EXISTING CONCRETE FOUNDATIONS WITH NEW CURB/SIDEWALK RAMP WHERE NECESSARY.
- 6. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
- 7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
- 8. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
- 9. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION(S) PRIOR TO INSTALLATION.
- 10. SEE GENERAL INFORMATION SHEET FOR APS ASSOCIATED SIGNAL HEADS AND PUSHBUTTONS, CROSSWALK, STOPLINE LAYOUTS AND PROPOSED CUT THROUGH ISLAND OPENING DIMENSIONS.
- 11. THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSWALKS ON NEWLY CONSTRUCTED RAMPS.
- 12. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 13. THE CONTRACTOR SHALL REFER TO FIGURE 38-17a OF THE 2006 MARYLAND M.U.T.C.D. FOR CROSSWALK PAVEMENT MARKING DETAIL.
- 14. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.21 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- 15. PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18 IN.
- 16. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. X 60 IN. LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- 17. THE 10 FT. MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
- 18. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-787-7650 TO COORDINATE.
- 19. THE CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO SIDEWALK AND RAMP CONSTRUCTION.
- 20. ALL TRAFFIC SIGNAL MODIFICATIONS SHALL BE CONSTRUCTED PRIOR TO SIDEWALK INSTALLATION.
- 21. THE CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK TO THE NEAREST JOINT.
- 22. PLACE 24 IN. WIDE DETECTABLE WARNING SURFACE ALONG THE FULLY DEPRESSED PORTION OF THE PROPOSED RAMPS. THE MAT SHALL NOT EXTEND ONTO THE SIDE FLARES.
- 23. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.

STV Incorporated
engineers/architects/planners/construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND			
—E—E—	ELECTRIC CABLES	—SD—SD—	STORM DRAIN
—A—A—	AERIAL CABLES	—G—G—	GAS MAIN
—T—T—	TELEPHONE CABLES	—W—W—	WATER MAIN
—F—F—	FIBER-OPTIC	—S—S—	SEWER MAIN

GEOMETRIC LEGEND	
EXISTING	---
PROPOSED	---

APPROVALS	
TEAM LEADER	
ASSIST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1	INSTALL APS AND CPS ON THE NORTH AND WEST LEGS 05/2008 SHA NO. XX4495185
2	REVISED DESIGN DUE TO GEOMETRICS

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 704 (MARTIN LUTHER KING JR. HIGHWAY)
AND ARDWICK-ARDMORE ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20'. ADVERTISED DATE 10-12-72 CONTRACT NO. P-408-001-385

DESIGNED BY _____ COUNTY PRINCE GEORGE'S
DRAWN BY J.B. LOGMILE 160070404.15
CHECKED BY AL BUDNICHUK TIMS NO. 1519
F.A.P. NO. M-5025(2) TOD NO. _____

TS NO. 549G DRAWING SG-01 OF 2 SHEET NO. 1 OF 2

BY: thompson